

Flu Watch

MMWR Week 39: September 22 to September 28, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **sporadic activity** this week.

Influenza Activity



Overall, there was an increase in influenza activity this week.

Regional Influenza Activity



Increased



Increased



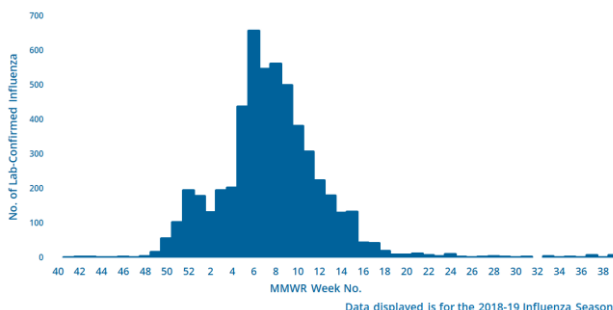
No change



Increased

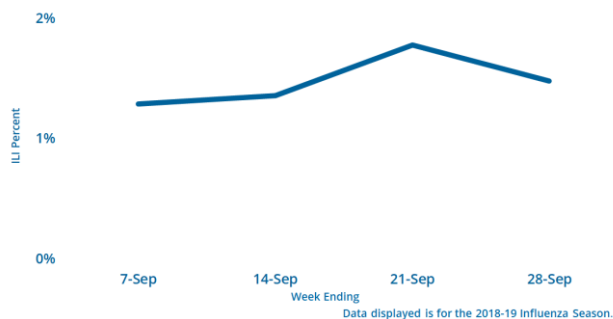
Virologic Surveillance

This week **7** lab-confirmed tests were reported. In the current flu season, there have been **4765** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.48%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was **minimal**.



Influenza-Associated Hospitalizations

This week **8** influenza-associated hospitalizations were reported by **35** hospitals. The cumulative hospitalization rate is **55.4 per 100,000**. In the current flu season, there have been **2782** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **2.1 per 100,000**. In the current flu season, there have been **105** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

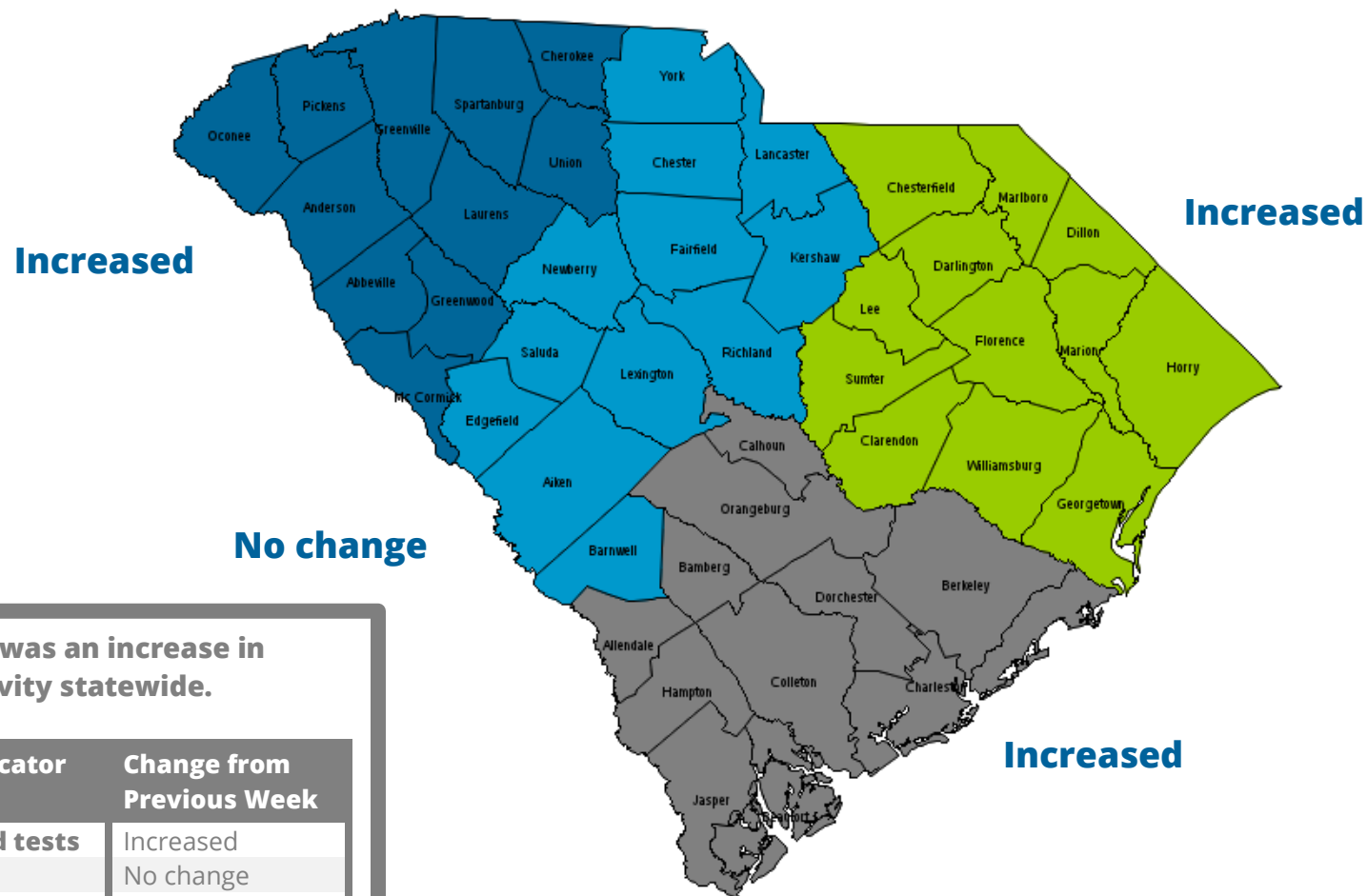
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was an increase in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Increased
ILI Percent	No change
Hospitalizations	Increased

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

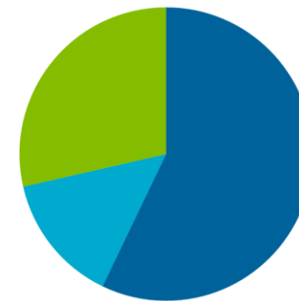
Virologic Surveillance

Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
Overall		7	4765	3595	2467
Influenza A	5(71.4)	4601(96.6)	2460(68.4)	1582(64.1)	1294(72)
A(H3)	1(20.0)	612(13.3)	537(21.8)	417(26.4)	282(21.8)
A(H1N1)	--	465(10.1)	214(8.7)	64(4.0)	300(23.2)
A(NS)*	4(80.0)	3524(76.6)	1709(69.5)	1101(69.6)	712(55.0)
Influenza B	2(28.6)	164(3.4)	1135(31.6)	885(35.9)	502(28)
B (Victoria)	--	2(1.2)	2(0.2)	--	0.4(0.1)
B(Yamagata)	--	--	55(4.8)	--	11(2.2)
B (LND)*	2(100.0)	162(98.8)	1078(95)	885(100)	490(97.7)

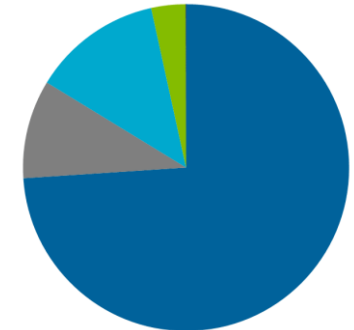
*NS – not subtyped *LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

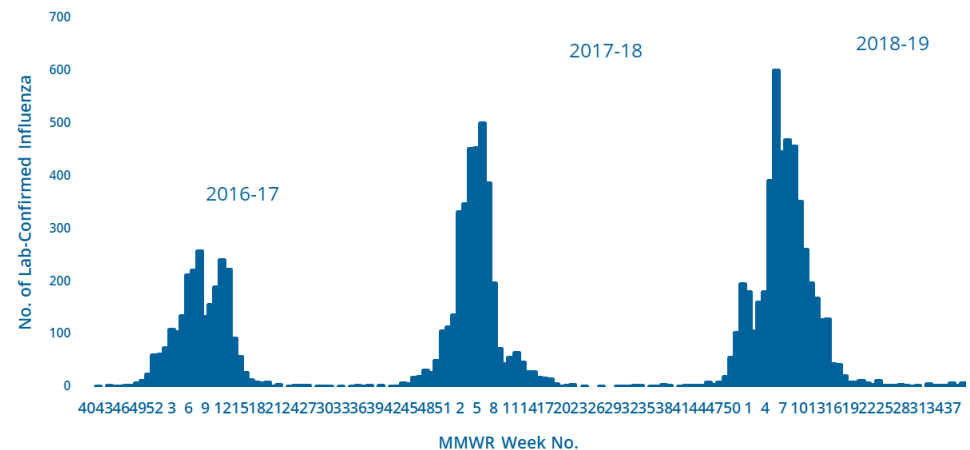
Week ending 9/28



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



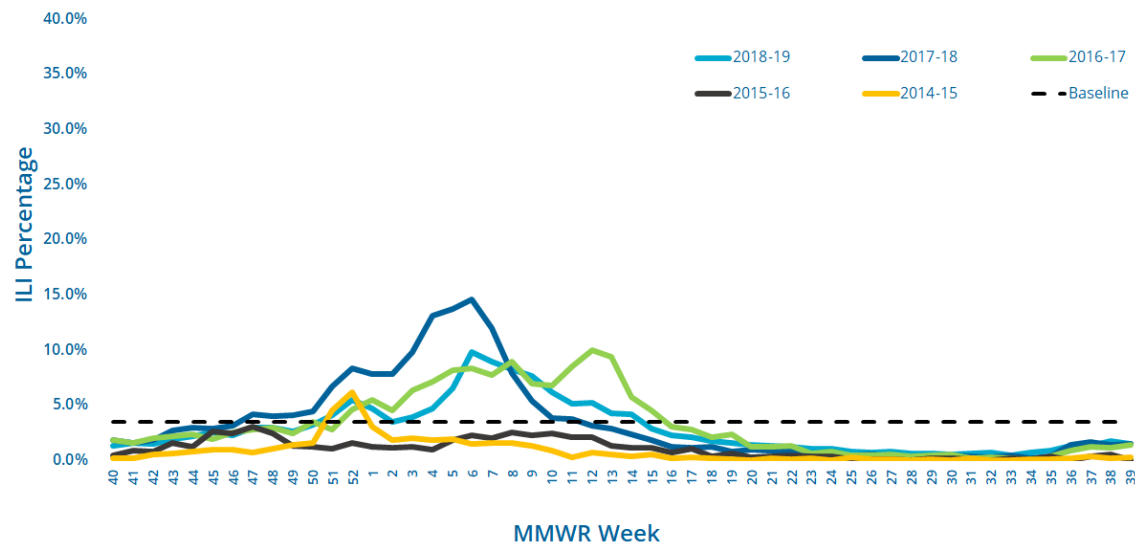
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.48%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%.**

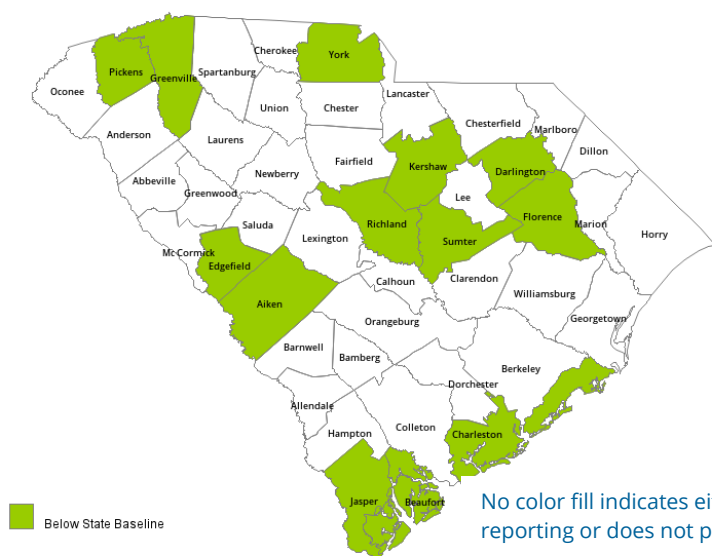
Reports were received from providers in **13** counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	8(0.2)	1(0.3)	--	3(0.2)	2(0.2)	2(0.2)
2018-19	2782(55.4)	131(44.6)	128(15.8)	438(21.3)	681(68.2)	1404(162.4)
2017-18	4551(90.6)	161(54.8)	143(17.6)	596(29.0)	1061(106.3)	2590(299.6)
2016-17	2561(51.6)	117(40.1)	133(16.5)	347(17.0)	576(58.1)	1388(167.3)
5 season average	2755(56.1)	160(55.0)	120(15.0)	448(22.1)	647(66.0)	1380(170.2)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	105(2.1)	2(0.7)	1(0.1)	9(0.4)	24(2.4)	69(8.0)
2017-18	292(5.8)	3(1.0)	--	27(1.3)	52(5.2)	210(24.3)
2016-17	97(2.0)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	70(8.4)
5 season average	130(2.6)	1 (0.3)	1 (0.1)	15(0.7)	24(2.5)	89(10.9)

